SSC BIO-II (Local) 23/5/22

RUBRIC: SSC
1st ANNUAL EXAMINATION 2022
SUBJECT: BIOLOGY-II (L)

Q.# /Part #	Rubric Name	Rubric Type 1 (Marks)	Rubric Type 2 (Marks)	Rubric Type 3 (Marks)	Rubric Type 4 (Marks)	Rubric Type 5 (Marks)
2(i)	Structure of larynx	Correct explanation i.e. voice box, vocal cords etc. (2)	Partially correct detail containing any one criteria (1)	Some relevant information (0.5)	Wrong answer (0)	
	Function of larynx	Correct function related to sound production/passing air to lungs (1)	Some relevant information (0.5)	Wrong answer (0)		
2(ii)	a. Cartilage	Correct identification (hyaline cartilage) (1)	Wrong answer (0)			
	b. Characteristic with example	One correct characteristic with example (2)	Only Structure or Only one correct example (1)	Some relevant information (0.5)	Wrong answer (0)	
2(iii)	Parts of Nephron	Renal tubule (1)	Any one part of renal tubule (0.5)	Wrong answer (0)		
	Detail of selective reabsorption	Names of materials reabsorbed at three parts of renal tubule (2)	Names of materials reabsorbed at any two parts of renal tubule (1)	Names of materials reabsorbed at any one part of renal tubule (0.5)	Wrong answer (0)	
2(iv)	Name of Glands	3 correct names of glands (3) A- Parathyroid gland B- Adrenal gland/ adrenal cortex C- Pancreas	Two correct names of glands (2)	One correct name of gland (1)	Wrong answer (0)	
2(v)	a. Labeling of part A & B	Correct labeling of A & B (1) A- Sclera B- Pupil	One Correct labeling (0.5)	Wrong answer (0)		
	b. Labelling + function	Correct labeling of C(Retina) and correct function of C (2)	Only Correct labeling/Only Correct Function (1)	Some relevant information (0.5)	Wrong answer (0)	
2(vi)	Formation of female gametophyte	Correct detail of megaspore, mitotic divisions and embryo sac/related cells i.e. egg cells (3)	Correct detail containing any two of the criteria (2)	Correct detail containing any one of the criteria/some relevant information (1)	Wrong answer (0)	
2(vii)	Ecological pyramid of number	Correct explanation (1)	Partially correct (0.5)	Wrong answer (0)		

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		Correct explanation of pyramid of number and Diagram of pyramid of number (2)	Only correct explanation/Only correct diagram (1)	Some relevant information (0.5)	Wrong answer (0)	
$2(viii)$	a. Name of process	Correct name (1) Binary fission	Partially correct name (0.5)	Wrong answer (0)		
	b. Description of B & C	Correct description of both stages B-Division of chromosome C-Separation/Division of Cytoplasm/Formation of daughter cells (2)	Correct description of one of the stage (1)	Some relevant information (0.5)	Wrong answer (0)	
$2(ix)$	Heterozygous	Correct definition of heterozygous(1.5)	Partially correct definition (1)	Some relevant information (0.5)	Wrong answer (0)	
	Genotype	Correct definition of genotype (1.5)	Partially Correct definition (1)	Some relevant information (0.5)	Wrong answer (0)	
$2(x)$	Effects of drugs	Correct effect of each drug A-Any one correct effect B- Any one correct effect C- Any one correct effect (3)	Correct effect of any two drugs (2)	Correct effect of any one drugs (1)	Wrong answer (0)	
$2(xi)$	Differences between transcription & translation	Correct difference of both (3)	Partially Correct difference of both (2)	Some relevant information (1)	Wrong answer (0)	
$2(xii)$	Name of variation	Correct name (1) Continuous variations	Wrong answer (0)			
	Examples	Two correct examples (2)	One correct example/Some relevant information about translation (1)	Wrong answer (0)		
2(xiii)	Genetic engineering	Correct definition (2)	Partially correct definition(1)	Wrong answer (0)		
	Use of microorganism	Any one correct use (1)	Partially correct use (0.5)	Wrong answer (0)		
$2(xiv)$	Relationship in food chain	Correct detail like producer, consumer, decomposer (1)	Partially correct detail of relationship (0.5)	Wrong answer (0)		
	Diagram/ flow chart of food chain	Correct diagram/ flow chart showing producer , consumer	Partially correct showing two stages (1)	Some relevant information (0.5)	Wrong answer (0)	

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		& decomposer(2)				
$2(xv)$	Moveable joints	Correct definition (1)	Partially correct definition (0.5)	Wrong answer (0)		
	Types and examples	Names of types with one example of each type (2)	Only names of types/ examples (1)	Any one name or one example (0.5)	Wrong answer (0)	
$3(a)$	Identification	Correct answer (1)	Wrong answer (0)			
	Structure	Correct explanation of Structure i.e. thin walled, blood capillaries, moist, large surface area (4)	Explanation of any three criteria (3)	Explanation of any two criteria (2)	Explanation of any one criteria (1)	Wrong answer (0)
	Function	Any one correct functions (1)	Some relevant details (0.5)	Wrong answer (0)		
$3(b)$	Nitrogen Fixation	Correctly explained (1)	Partially correct (0.5)	Wrong answer (0)		
	Ways of N-fixation	Names of three ways (3)	Names of two ways (2)	Name of one way (1)	Wrong answer (0)	
4 (a)	Bone	Correct description of structure, showing compact and spongy part, bone marrow osteocytes (3)	Partially correct description (2)	Some relevant details (1)	Wrong answer (0)	
	Diagram of bone	Correct Drawing and any two labelings (2)	Partially correct drawing and one label (1.5)	Drawing only (1)	Incorrect diagram(0)	
4 (b)	Fermentation	Correct explanation (2)	Partially correct (1)	Wrong answer (0)		
	Fermented foods	At least three fermented foods with details (3)	Any two fermented foods with details/names of three products (2)	Any one fermented food with details/names of two products (1)	Some relevant information (0.5)	Wrong answer (0)
5 (a)	Reflex action	Correct explanation with example (3)	Partially correct explanation with example (2)	Partially correct explanation without example (1)	Some relevant information (0.5)	Wrong answer (0)
	Diagram	Drawing + labeling (2)	Only drawing (1)	Wrong answer (0)		
5 (b)	Artificial vegetative propagation	Correct detail of any Two methods like grafting, cutting, layering (5)	Correct detail of any one of method (2.5)	Partially explained two methods (2)	Partially explained one method/some relevant information (1)	Wrong answer (0)

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